Education and Research of Agricultural Mechanization in Thailand

3rd Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific
3rd ASEAN Conference on Agricultural and Biosystems Engineering
Co-located with the 12th Engineering Research and Development for Technology in Agriculture
9-11 December 2015, Manila, the Philippines
In Thailand, there are 22 universities that offer agricultural engineering or mechanization programme.
R&D in agricultural mechanization, and agricultural and bio-systems engineering in Thailand

R&D Institution
The Agricultural Engineering Research Institute (AERI) is an institute under the Department of Agriculture, Ministry of Agriculture and Cooperatives, whose mandates are as following:

- to conduct research and development on agricultural machinery and agricultural process,
- to providing technologies as well as technical services to government and private agencies involved,
- to conduct cooperative researches as well as to provide technical support to other agencies involves, and
- to provide services to other agencies of the Department of Agriculture.
Axial flow pump was developed in 1955
Axial flow thresher was developed in 1975
1996- Paddy Dryer and Cyclonic Rice Husk Furnace
Rotary Tiller was developed in 2000
Small tractor attached with offset rotary tiller
Rotary Cultivator Implementing with Two Wheel Tractor
Rotary Puddler for Secondary Tillage in Irrigated Paddy Field
Power Puddler Implemented with Two-Wheel Tractor
Knapsack Type Rice Broadcaster
Rice Planters Attached to Farm Tractor
Rice Planters Attached to Two-Wheel Tractor
Implement for Plastic Mulches in Vegetable Production
Spring Tine for Sugarcane Weeder
Attached to Small Tractor
Rice Combine Harvester
Maize Harvester
Sunflower Combine Harvester
Straw Bailer
Research and Development of Agricultural Machinery for Cassava
Biomass Chopper
Equipment for Hot Water Treatment of Sugarcane before Planting
Asphalt and Natural Rubber Latex Mixer
Quality Grading Machine of Mangosteen by Specific Gravity
Durian Maturity Index Meter
Development of Robusta Washed Processing Technology for Farmer Group
Pulper and Washer
Rotary Dryer for coffee
Coffee Huller
Rice Milling Machine
Juice Extractor
Tray Dryer
Tunnel Dryer
Solar Dryer with Additional Heat Source
Heat Exchanger Unit